

12X Writing Compatibility

CDs21 Solutions

Technical Working Group 1

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CDs 21 Solutions ソリューションズ

Objective

- Confirm the compatibility between
- Writer , CD-R disc and CD-ROM drive.
- Writing Speed = 12X
- Keep the compatibility 12X writing.



Participants

- Writer
NEC, Ricoh, Samsung, SANYO, Shinano Kenshi,
SONY, TEAC, YAMAHA
- Disc
ACER, CMC, Gigastorage, KODAK, Maxell,
Mitsubishi Chemical, Mitsui Chemicals, Prodisc,
Ricoh, RiTEK, SKC, SONY, Taiyo Yuden, TDK
- CD-ROM drive and DVD-ROM drive
Hitachi, Kyushu Matsushita, Matsushita Kotobuki,
Mitsumi, Pioneer, Shinano Kenshi, TEAC,
TOSHIBA, Tottori Sanyo

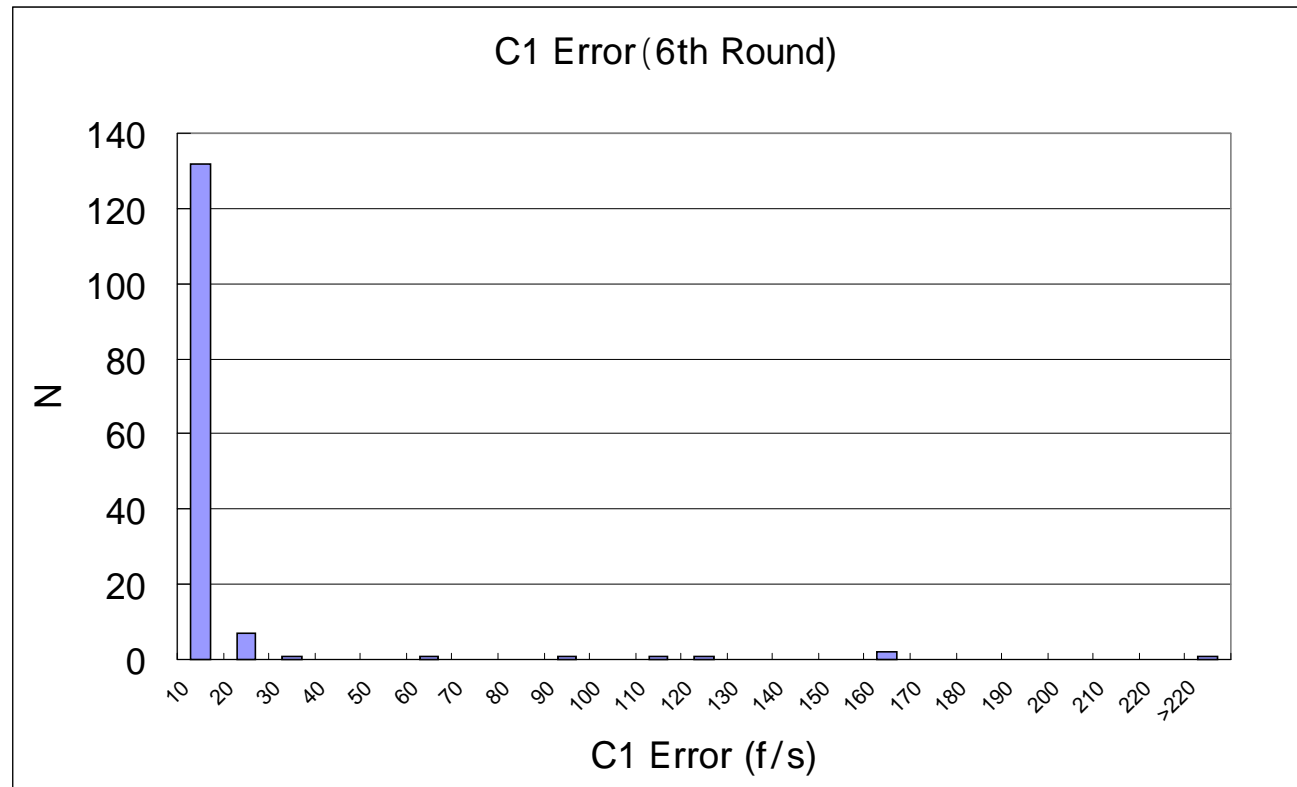


TEST CONDITION

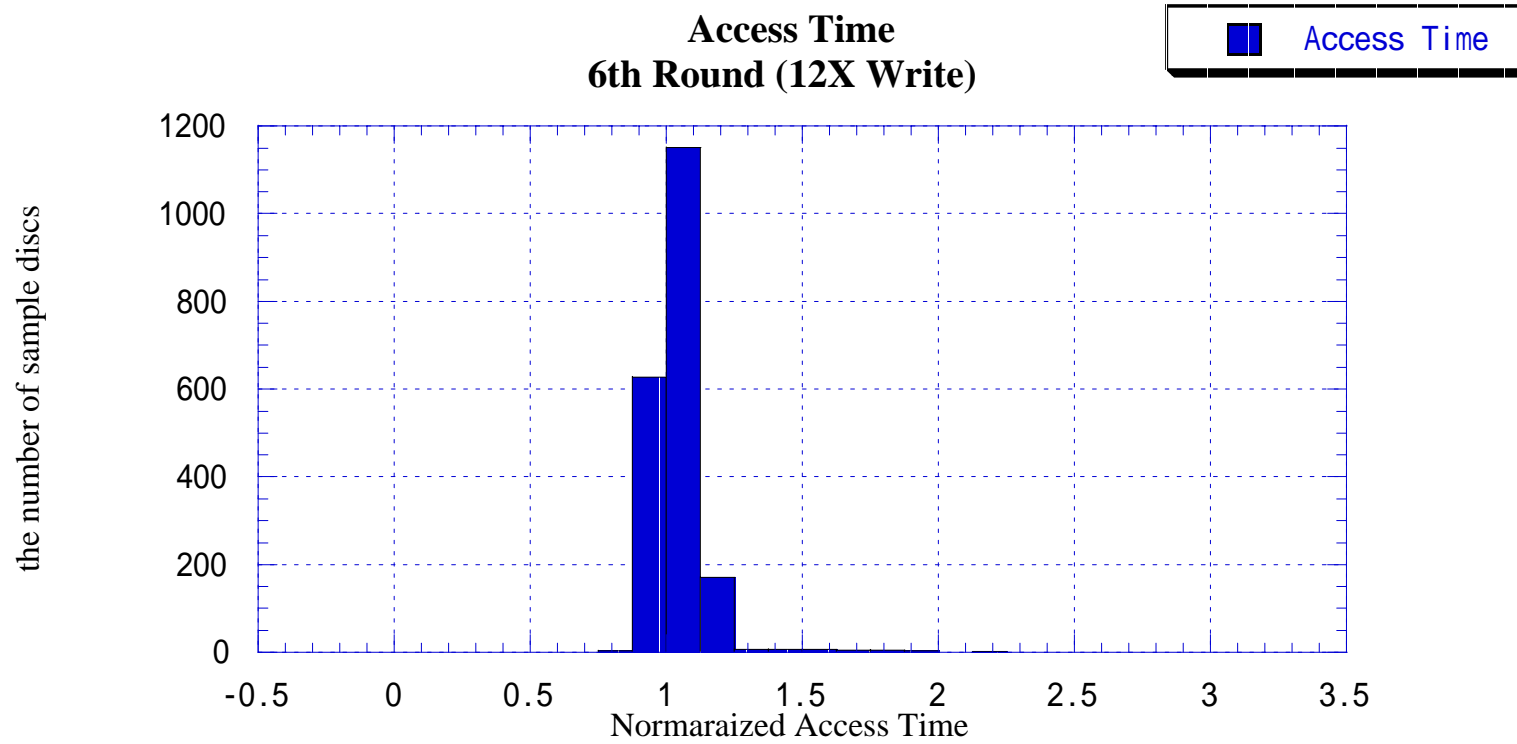
- Writing Speed = 12X
- CD-R disc ; 79min
- Contents ; Mixed mode
 - Tr. #1 : Data
 - Tr. #2 : audio
 - Tr. #3 : audio
 - Tr. #4 : audio
- Period of this test; October, 2000-September, 2001



Result (1)



Results (2)



Results (3)

Compatibility of playback

Drive Maker	CD-ROM				DVD-ROM		CD-RW	Combo
	24X	32X	40X	48X	32X	40x	20x	24x
A								
B								
C								
D								
E								
F								
G								
H								
I								2type



CONCLUSION

- Almost all CD-R discs written at 12X speed are readable on 16 type drives.
- C1 Error of discs except for 4 combinations is lower than 220F/S.
- It is confirmed that quality of these 4 combinations are improved and C1 Error are lower than 220F/S.
- Some CD-R discs show low access speed, but there are no problem at playback.

